BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISOIN

Name of the Work : **Improvements to Roads, Drains and Asphlting to Roads in Venkategowda layout Kempapura 1st B Main in ward no. 7, Byatarayanapurain Kodigehalli sub division**

Estimate Cost : **19.90 Lakhs**

P-Code : **1771 of 2012-13**

Estimate No : **AEE/KSD/E.NO/ 177/2012-13**

ತಾಂತ್ರಿಕ ವರದಿ

ವಿಷಯ:– Improvements to Roads, Drains and Asphalting to Roads in Venkategowda layout Kempapura 1st B Main in ward no. 7, Byatarayanapurain Kodigehalli sub division

Est.Cost.: 19.90 Lakhs

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ಈ ಮೇಲ್ಕಂಡ ಕಾಮಗಾರಿಯು 2012–13ನೇ ಸಾಲಿನ ಪಿ.ಒ.ಡಬ್ಲೂ. ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ವಾರ್ಡ್ ನಂ. 7ಕ್ಕೆ ನೀಡಿರುವ ರೂ. 3.00 ಕೋಟಿ ಅನುದಾನದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ರೂ. 19.90 ಲಕ್ಷಕ್ಕೆ ಸೇರ್ಪಡೆಯಾಗಿ ವಾರ್ಡ್ ಮಟ್ಟದ ಸಾರ್ವಜನಿಕ ಕಾಮಗಾರಿ ಸ್ಥಾಯಿಸಮಿತಿಯಿಂದ ಅನುಮೋದನೆಗೊಂಡಿರುತ್ತದೆ.

ಈ ಹಿನ್ನಲೆಯಲ್ಲಿ, ಸದರಿ ಈ ಮೇಲ್ಕಂಡ ಕಾಮಗಾರಿ ಸ್ಥಳವನ್ನು ನಾವುಗಳು ಖುದ್ದಾಗಿ ನಗರಪಾಲಿಕೆ ಸದಸ್ಯರೊಂದಿಗೆ ಪರಿಶೀಲಿಸಿದ್ದು, ಸದರಿಯವರು ತಿಳಿಸಿರುವ ಹಾಗೂ ಅತಿ ಅವಶ್ಯಕ ಹಾಗೂ ತುರ್ತು ಎಂದು ಕಂಡು ಬಂದಿರುವ ಅಂಶಗಳನ್ನು ಸದರಿ ಅಂದಾಜಿನಲ್ಲಿ ಅನುವು ಮಾಡಲಾಗಿದೆ.

1. Removing BS Slab of drain and stacking.
2. Refixing stone slabs of drains and pointing in CM 1:3.
3. Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6)
4. Earth work excavation by manual means in Ordinary Soil
5. Compaction of original ground
6. Providing, laying, spreading and compacting graded stones aggregate to wet mix
7. Providing and applying primer coat with bitumen emulsion
8. Providing and laying semi dense bituminous concrete25 mm

ಈ ಮೇಲ್ಕಂಡ ಎಲ್ಲಾ ಅಂಶಗಳ ಅವಶ್ಯಕತೆಗೆ ಅನುಗುಣವಾಗಿ ಅಂದಾಜಿನಲ್ಲಿ ಅಳವಡಿಸಿಕೊಂಡು 2012–13ನೇ ಸಾಲಿನ ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖಾ ದರಪಟ್ಟಿ ಬೆಂಗಳೂರು ವೃತ್ತದ ಎಸ್.ಆರ್. ದರದಲ್ಲಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ. 19.90 ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

ಕಿರಿಯ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ. 7

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- ***Improvements to Roads, Drains and Asphlting to Roads in Venkategowda layout Kempapura 1st B Main in ward no. 7, Byatarayanapurain Kodigehalli sub division***

							ESTIMATED COST		1990000.00
Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
1	Removing BS Slab of drain and stacking.						Sqm		
	(P.No.28, I.No.5.32 of PW,P&IWTD S.R 2012-13								
	1st B Main Road		1x2	261	1.65		861.30		
	Surrounding cross roads		1x2	223	1.65		735.90		
							1597.20	44.47	**71035.00**
	Basic Rate Rs.	41.18							
	Add 8% A.W Rs.	3.29							
	Total Rate Rs.	**44.47**							
2	Refixing stone slabs of drains and pointing in CM 1:3.						Sqm		
	(P.No.28, I.No. 5.33 of PW,P&IWTD S.R 2012-13								
			Qty Same as I.No.1 (80%)				**1277.76**	63.00	**80494.00**
	Basic Rate Rs.	58.33							
	Add 8% A.W Rs.	4.67							
	Total Rate Rs.	**63.00**							
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick)								
	(P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2012-13								
		Sqm							
			Qty Same as I.No.1 (20%)				**319.44**	315.36	**100739.00**
	Basic Rate Rs.	292.00							
	Add 8% A.W Rs.	23.36							
	Total Rate Rs.	**315.36**							
4	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3.						Cum		
	(P.No.145, I.No.19.1 of PW,P&IWTD S.R 2012-13								
	1st B Main Road		1	261	8.00	0.15	313.20		
	Surrounding cross roads		1	223	8.00	0.15	267.60		
	Basic Rate Rs.	54.00					**580.80**	58.32	**33872.00**
	Add 8% A.W Rs.	4.32							
	Total Rate Rs.	**58.32**							
5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. 167, I.No. 19.64) SR 2012-13						**Sqm**		
	1st B Main Road		1	261	8.00		2088.00		
	Surrounding cross roads		1	223	8.00		1784.00		
							3872.00	**3.78**	**14636.00**
	Basic Rate	**3.50**							
	Area Weightage @ 8%	**0.28**							
	Total	**3.78**							
6	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (P. 167, Item No. 20.18) SR 12-13						**Cum**		
	1st B Main Road		1	261	8.00	0.15	313.20		
	Surrounding cross roads		1	223	8.00	0.15	267.60		
							580.80	**1059.48**	**615346.00**
	Basic Rate Rs.	981.00							
	Add 8% A.W Rs.	78.48							
	Total Rate Rs.	**1059.48**							

7	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. (P. 172, Item No. 21.6) SR 12-13						Sqm		
	Main Roads 2nd Main		1	261	8.00		2088.00		
	3nd Main	Sanading	1	223	8.00		1784.00		
	Basic Rate Rs.	36.70					3872.00	39.64	153471.00
	Add 8% A.W Rs.	2.94							
	Total Rate Rs.	**39.64**							
8	KSRRB M500-18. Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. with 80/100 grade bitumen using 40-60 HMP using mechanical paver (P. 174, Item No. 21.20.5) SR 12-13						Cum		
	Main Roads 2nd Main		1	261	8.00	0.025	52.20		
	3nd Main	Sanading	1	223	8.00	0.025	44.60		
							96.80	8992.08	**870433.00**
	Basic Rate Rs.	8326.00							
	Add 8% A.W Rs.	666.08							
	Total Rate Rs.	**8992.08**							
9	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141)						Cum		
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28		Qty vide Item No.4				580.80	81.72	47463.00
	Basic Tate Lead Charges upto 2.00 Kms	62.20							
	2x1.28*2=	5.12							
	Loading and unloading	67.32							
	Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00	14.40							
10	Miscelleneous & Rounding off								2511.00
							Toatl Rs.		1990000.00

(Rupees:- Nineteen Lakhs Ninety Thousand Only)

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2012-13
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP